

IN THE CLAIMS

1 - 50. (canceled)

51. (currently amended) A dry reagent lateral flow strip assay device for detecting at least one analyte in a test sample within a pre-determined range of analyte concentration using a porous member capable of being traversed by the sample comprising:

a) a sample application zone on the porous member having diffusively immobilized therewith a labeled indicator reagent;

b) at least one test zone having non-diffusively bound thereto a first reagent that forms a first reaction product when ~~binding to the~~ contacted with a mixture of the sample and the labeled indicator reagent to produce a corresponding detectable response in the test zone, the detectable response being inversely proportional to the analyte concentration;

c) at least one reference zone having non-diffusively bound thereto a second reagent that forms a second reaction product when ~~binding to~~ contacted with the mixture of the sample and the labeled indicator reagent to produce corresponding detectable response in the reference zone, the detectable response being directly proportional to the analyte concentration;

wherein the sample application zone, the test zone and the reference zone are in fluid communication with one another through the porous member; and

wherein the detectable response in the test zone plus the detectable response in the ~~reaction~~ reference zone equal a total detectable response that is substantially constant for the pre-determined range of analyte concentration.

52. (previously presented) The assay device of claim 52, wherein the porous member further comprises a bibulous solid phase material.

53. (previously presented) The assay device of claim 52, wherein the porous member further comprises fiberglass, cellulose or nylon.

54. (previously presented) The assay device of claim 51 for detecting multiple analytes in a test sample, further comprising more than one test zone, each corresponding to an analyte.

55. (previously presented) The assay device of claim 51, wherein the porous member further comprises more than one bibulous material, wherein the sample application zone, the test zone and the reference zone are in fluid communication therethrough.

56. (previously presented) The assay device of claim 51, further comprising one or more reagents bound to the porous member, the reagents being selected from the group consisting of: antibodies, antigens, enzymes, substrates, small molecules, proteins, viral lysate, bacterial lysate, receptors, sugars, carbohydrates, polymers and detergents.

57. (previously presented) The assay device of claim 51, further comprising a sample filtration member in contact with the porous member.

58. (previously presented) The assay device of claim 51, wherein the labeled indicator reagent is a particle-linked antigen or a particle linked antibody.

59. (previously presented) The assay device of claim 51, wherein the first reagent is an antibody or an antigen.

60. (previously presented) The assay device of claim 51, wherein the second reagent is an antibody that binds to the labeled indicator reagent to form the second reaction product.

61. - 67. (canceled)